

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 09/719,7580

Source: IFW16

Date Processed by STIC: 8/10/05

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IFW16

RAW SEQUENCE LISTING

DATE: 08/10/2005

PATENT APPLICATION: US/09/719,758D

TIME: 14:06:20

Input Set : A:\ST98017US PCT.ST25.txt

Output Set: N:\CRF4\08092005\I719758D.raw

3 <110> APPLICANT: Aventis Pharma S.A.
 4 PARKER, Fabienne
 5 DUCHESNE, Marc
 6 BARLAT, Isabelle
 7 KENIGSBERG, Mireille
 9 <120> TITLE OF INVENTION: MONOCLONAL ANTIBODIES DIRECTED AGAINST THE G3BP PROTEIN AND
 USES
 11 <130> FILE REFERENCE: USST98017 US PCT
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/719,758D
 14 <141> CURRENT FILING DATE: 2002-01-04
 16 <150> PRIOR APPLICATION NUMBER: FR98/07617
 17 <151> PRIOR FILING DATE: 1998-06-17
 19 <150> PRIOR APPLICATION NUMBER: PCT/FR99/01453
 20 <151> PRIOR FILING DATE: 1999-12-23
 22 <160> NUMBER OF SEQ ID NOS: 27
 24 <170> SOFTWARE: PatentIn version 3.3
 26 <210> SEQ ID NO: 1
 27 <211> LENGTH: 466
 28 <212> TYPE: PRT
 29 <213> ORGANISM: homo sapiens
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 34 1 5 10 15
 37 Arg Gln Tyr Tyr Thr Leu Leu Asn Gln Ala Pro Asp Met Leu His Arg
 38 20 25 30
 41 Phe Tyr Gly Lys Asn Ser Ser Tyr Val His Gly Gly Leu Asp Ser Asn
 42 35 40 45
 45 Gly Lys Pro Ala Asp Ala Val Tyr Gly Gln Lys Glu Ile His Arg Lys
 46 50 55 60
 49 Val Met Ser Gln Asn Phe Thr Asn Cys His Thr Lys Ile Arg His Val
 50 65 70 75 80
 53 Asp Ala His Ala Thr Leu Asn Asp Gly Val Val Val Gln Val Met Gly
 54 85 90 95
 57 Leu Leu Ser Asn Asn Asn Gln Ala Leu Arg Arg Phe Met Gln Thr Phe
 58 100 105 110
 61 Val Leu Ala Pro Glu Gly Ser Val Ala Asn Lys Phe Tyr Val His Asn
 62 115 120 125
 65 Asp Ile Arg Tyr Gln Asp Glu Val Phe Gly Gly Phe Val Thr Glu Pro
 66 130 135 140
 69 Gln Glu Glu Ser Glu Glu Glu Val Glu Glu Pro Glu Glu Arg Gln Gln
 70 145 150 155 160
 73 Thr Pro Glu Val Val Pro Asp Asp Ser Gly Thr Phe Tyr Asp Gln Ala
 74 165 170 175
 77 Val Val Ser Asn Asp Met Glu Glu His Leu Glu Glu Pro Val Ala Glu

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78          180          185          190
81 Pro Glu Pro Asp Pro Glu Pro Glu Pro Glu Gln Glu Pro Val Ser Glu
82          195          200          205
85 Ile Gln Glu Glu Lys Pro Glu Pro Val Leu Glu Glu Thr Ala Pro Glu
86          210          215          220
89 Asp Ala Gln Lys Ser Ser Pro Ala Pro Ala Asp Ile Ala Gln Thr
90 225          230          235          240
93 Val Gln Glu Asp Leu Arg Thr Phe Ser Trp Ala Ser Val Thr Ser Lys
94          245          250          255
97 Asn Leu Pro Pro Ser Gly Ala Val Pro Val Thr Gly Ile Pro Pro His
98          260          265          270
101 Val Val Lys Val Pro Ala Ser Gln Pro Arg Pro Glu Ser Lys Pro Glu
102          275          280          285
105 Ser Gln Ile Pro Pro Gln Arg Pro Gln Arg Asp Gln Arg Val Arg Glu
106          290          295          300
109 Gln Arg Ile Asn Ile Pro Pro Gln Arg Gly Pro Arg Pro Ile Arg Glu
110 305          310          315          320
113 Ala Gly Glu Gln Gly Asp Ile Glu Pro Arg Arg Met Val Arg His Pro
114          325          330          335
117 Asp Ser His Gln Leu Phe Ile Gly Asn Leu Pro His Glu Val Asp Lys
118          340          345          350
121 Ser Glu Leu Lys Asp Phe Phe Gln Ser Tyr Gly Asn Val Val Glu Leu
122          355          360          365
125 Arg Ile Asn Ser Gly Gly Lys Leu Pro Asn Phe Gly Phe Val Val Phe
126          370          375          380
129 Asp Asp Ser Glu Pro Val Gln Lys Val Leu Ser Asn Arg Pro Ile Met
130 385          390          395          400
133 Phe Arg Gly Glu Val Arg Leu Asn Val Glu Glu Lys Lys Thr Arg Ala
134          405          410          415
137 Ala Arg Glu Gly Asp Arg Arg Asp Asn Arg Leu Arg Gly Pro Gly Gly
138          420          425          430
141 Pro Arg Gly Gly Leu Gly Gly Gly Met Arg Gly Pro Pro Arg Gly Gly
142          435          440          445
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146          450          455          460
149 Gln Glx
150 465

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153 <210> SEQ ID NO: 2

154 <211> LENGTH: 2129

155 <212> TYPE: DNA

156 <213> ORGANISM: homo sapiens

158 <400> SEQUENCE: 2

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159 gcttgccctgt caggtcgact ctagagcccg ggtaccgagc tcgaattcgg cggggtttgt      60
161 actatcctcg gtgctgtggt gcagagctag ttcctctcca gctcagccgc gtaggtttgg      120
163 acatatattac tcttttcccc ccaggttgaa ttgaccaaag caatggtgat ggagaagcct      180
165 agtcccctgc tggtcgggcg ggaatttgtg agacagtatt acacactgct gaaccaggcc      240
167 ccagacatgc tgcatagatt ttatggaaag aactcttctt atgtccatgg gggattggat      300
169 tcaaattggaa agccagcaga tgcagtctac ggacagaaag aaatccacag gaaagtgatg      360
171 tcacaaaact tcaccaactg ccacaccaag attcgccatg ttgatgctca tgccacgcta      420

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173 aatgatgggtg tggtagtcca ggtgatgggg cttctctcta acaacaacca ggctttgagg 480
175 agattcatgc aaacgtttgt ccttgctcct gaggggtctg ttgcaaataa attctatgtt 540
177 cacaatgata tcttcagata ccaagatgag gtctttggtg ggtttgtcac tgagcctcag 600
179 gaggagtctg aagaagaagt agaggaacct gaagaaagca gcaaacacct gaggtggtac 660
181 ctgatgattc tggaactttc tatgatcagg cagttgtcag taatgacatg gaagaacatt 720
183 tagaggagcc tgttgctgaa ccagagcctg atcctgaacc agaaccagaa caagaacctg 780
185 tatctgaaat ccaagaggaa aagcctgagc cagtattaga agaaactgcc cctgaggatg 840
187 ctcagaagag ttcttctcca gcacctgcag acatagctca gacagtacag gaagacttga 900
189 ggacattttc ttgggcatct gtgaccagta agaactctcc acccagtggg gctgttccag 960
191 ttactgggat accacctcat gttgttaaag taccagcttc acagccccgt ccagagtcta 1020
193 agcctgaatc tcagattcca ccacaaagac ctacgcggga tcaaagagtg cgagaacaac 1080
195 gaataaatat tcttcccaa aggggaccca gaccaatccg tgaggctggt gagcaagggtg 1140
197 acattgaacc ccgaagaatg gtgagacacc ctgacagtca ccaactcttc attggcaacc 1200
199 tgcctcatga agtggacaaa tcagagctta aagatttctt tcaaagttat ggaaacgtgg 1260
201 tggagttgcg cattaacagt ggtgggaaat tacccaattt tggttttgtt gtgtttgatg 1320
203 attctgagcc tgttcagaaa gtccttagca acaggcccat catgttcaga ggtgaggtcc 1380
205 gtctgaatgt cgaagagaag aagactcgag ctgccaggga aggcgaccga cgagataatc 1440
207 gccttcgggg acctggaggc cctcgagggt ggctgggtgg tggaatgaga ggccctcccc 1500
209 gtggaggcat ggtgcagaaa ccaggatttg gagtgggaag ggggcttgcg ccacggcagt 1560
211 aatcttcatg gatcttcatg cagccataca aacctgggtt ccaacagaat ggtgaatttt 1620
213 cgacagcctt tggatatctg gagtatgacc ccagtctgtt ataaactgct taagtttgta 1680
215 taattttact ttttttgtgt gttaatgggt tgtgctccct ctccctctct tccctttcct 1740
217 gacctttagt ctttcacttc caattttgtg gaatgatatt ttaggaataa cggactttta 1800
219 cccgaattcg taatcatggt catagctggt tccgtgtgaa attgttatcc gctcacaatt 1860
221 ccacacaaca tacgagccgg aagcataaag tgtaaagcct ggggtgccta atgagtgagc 1920
223 taactcacat taattgcgtt gcgctcactg cccgctttcc agtcgggaaa cctgtcgtgc 1980
225 cagcgcatta atgaatcggc caacgcgcgg ggagaggcgg tttgcgtatt gggcgccagg 2040
227 gtggttttct tttcaccagt gagacgggca acagctgatt gcccttcacc gctggccctg 2100
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232 <210> SEQ ID NO: 3
233 <211> LENGTH: 143
234 <212> TYPE: PRT
235 <213> ORGANISM: homo sapiens
237 <400> SEQUENCE: 3
239 Met Val Met Glu Lys Pro Ser Pro Leu Leu Val Gly Arg Glu Phe Val
240 1 5 10 15
243 Arg Gln Tyr Tyr Thr Leu Leu Asn Gln Ala Pro Asp Met Leu His Arg
244 20 25 30
247 Phe Tyr Gly Lys Asn Ser Ser Tyr Val His Gly Gly Leu Asp Ser Asn
248 35 40 45
251 Gly Lys Pro Ala Asp Ala Val Tyr Gly Gln Lys Glu Ile His Arg Lys
252 50 55 60
255 Val Met Ser Gln Asn Phe Thr Asn Cys His Thr Lys Ile Arg His Val
256 65 70 75 80
259 Asp Ala His Ala Thr Leu Asn Asp Gly Val Val Val Gln Val Met Gly
260 85 90 95
263 Leu Leu Ser Asn Asn Asn Gln Ala Leu Arg Arg Phe Met Gln Thr Phe
264 100 105 110
267 Val Leu Ala Pro Glu Gly Ser Val Ala Asn Lys Phe Tyr Val His Asn

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268      115      120      125
271 Asp Ile Phe Arg Tyr Gln Asp Glu Val Phe Gly Gly Phe Val Thr
272      130      135      140
275 <210> SEQ ID NO: 4
276 <211> LENGTH: 143
277 <212> TYPE: PRT
278 <213> ORGANISM: homo sapiens
280 <400> SEQUENCE: 4
282 Met Val Met Glu Lys Pro Ser Pro Leu Leu Val Gly Arg Glu Phe Val
283 1      5      10      15
286 Arg Gln Tyr Tyr Thr Leu Leu Asn Lys Ala Pro Glu Tyr Leu His Arg
287      20      25      30
290 Phe Tyr Gly Arg Asn Ser Ser Tyr Val His Gly Gly Val Asp Ala Ser
291      35      40      45
294 Gly Lys Pro Gln Glu Ala Val Tyr Gly Gln Asn Asp Ile His His Lys
295      50      55      60
298 Val Leu Ser Leu Asn Phe Ser Glu Cys His Thr Lys Ile Arg His Val
299 65      70      75      80
302 Asp Ala His Ala Thr Leu Ser Asp Gly Val Val Val Gln Val Met Gly
303      85      90      95
306 Leu Leu Ser Asn Ser Gly Gln Pro Glu Arg Lys Phe Met Gln Thr Phe
307      100     105     110
310 Val Leu Ala Pro Glu Gly Ser Val Pro Asn Lys Phe Tyr Val His Asn
311      115     120     125
314 Asp Met Phe Arg Tyr Glu Asp Glu Val Phe Gly Asp Ser Glu Pro
315      130     135     140
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319 <211> LENGTH: 13
320 <212> TYPE: PRT
321 <213> ORGANISM: Artificial
323 <220> FEATURE:
324 <223> OTHER INFORMATION: amino acids 22-34 of the G3BP protein
326 <400> SEQUENCE: 5
328 Leu Leu Asn Gln Ala Pro Asp Met Leu His Arg Phe Tyr
329 1      5      10
332 <210> SEQ ID NO: 6
333 <211> LENGTH: 13
334 <212> TYPE: PRT
335 <213> ORGANISM: Artificial
337 <220> FEATURE:
338 <223> OTHER INFORMATION: amino acids 22-34 of the G3BP2 protein
340 <400> SEQUENCE: 6
342 Leu Leu Asn Lys Ala Pro Glu Tyr Leu His Arg Phe Tyr
343 1      5      10
346 <210> SEQ ID NO: 7
347 <211> LENGTH: 14
348 <212> TYPE: PRT
349 <213> ORGANISM: artificial
351 <220> FEATURE:

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RAW SEQUENCE LISTING

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Input Set : A:\ST98017US PCT.ST25.txt

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352 <223> OTHER INFORMATION: amino acids 42-55 of the G3BP protein
354 <400> SEQUENCE: 7
356 His Gly Gly Leu Asp Ser Asn Gly Lys Pro Ala Asp Ala Val
357 1          5          10
360 <210> SEQ ID NO: 8
361 <211> LENGTH: 14
362 <212> TYPE: PRT
363 <213> ORGANISM: Artificial
365 <220> FEATURE:
366 <223> OTHER INFORMATION: amino acids 42-55 of the G3BP2 protein
368 <400> SEQUENCE: 8
370 His Gly Gly Val Asp Ala Ser Gly Lys Pro Gln Glu Ala Val
371 1          5          10
374 <210> SEQ ID NO: 9
375 <211> LENGTH: 14
376 <212> TYPE: PRT
377 <213> ORGANISM: artificial
379 <220> FEATURE:
380 <223> OTHER INFORMATION: amino acids 97-111 of the G3BP protein
382 <400> SEQUENCE: 9
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385 1          5          10
388 <210> SEQ ID NO: 10
389 <211> LENGTH: 13
390 <212> TYPE: PRT
391 <213> ORGANISM: artificial
393 <220> FEATURE:
394 <223> OTHER INFORMATION: amino acids 127-139 of the G3BP protein
396 <400> SEQUENCE: 10
398 His Asn Asp Ile Phe Arg Tyr Gln Asp Glu Val Phe Gly
399 1          5          10
402 <210> SEQ ID NO: 11
403 <211> LENGTH: 36
404 <212> TYPE: DNA
405 <213> ORGANISM: artificial
407 <220> FEATURE:
408 <223> OTHER INFORMATION: primer A
410 <400> SEQUENCE: 11
411 cccgtcgaca tggatgatga gaagcctagt cccctg          36
414 <210> SEQ ID NO: 12
415 <211> LENGTH: 32
416 <212> TYPE: DNA
417 <213> ORGANISM: artificial
419 <220> FEATURE:
420 <223> OTHER INFORMATION: primer B
422 <400> SEQUENCE: 12
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427 <211> LENGTH: 36

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 08/10/2005
PATENT APPLICATION: US/09/719,758D TIME: 14:06:21

Input Set : A:\ST98017US PCT.ST25.txt
Output Set: N:\CRF4\08092005\I719758D.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27

VERIFICATION SUMMARY

DATE: 08/10/2005

PATENT APPLICATION: US/09/719,758D

TIME: 14:06:21

Input Set : A:\ST98017US PCT.ST25.txt

Output Set: N:\CRF4\08092005\I719758D.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number